CANNED FISH & BYPRODUCTS — 1953

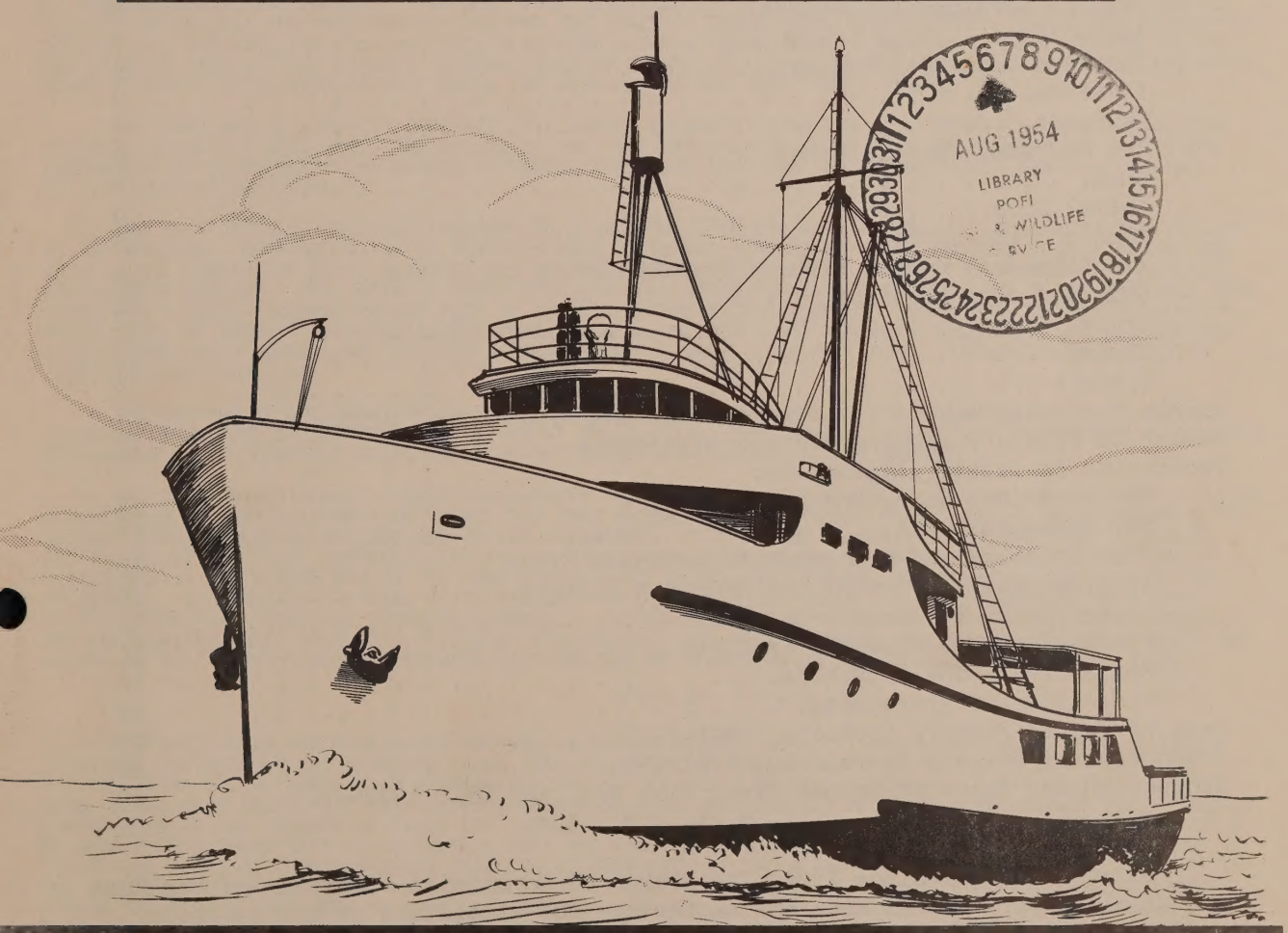
Department of the Interior
Washington 25, D.C.

United States, Alaska, Hawaii, and Puerto Rico

Fish and Wildlife Service
Branch of Commercial Fisheries

C. F. S. NO. 1004

ANNUAL SUMMARY



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VALUE OF CANNED FISH AND BYPRODUCTS 1934 - 1953

YEAR	CANNED	BYPRODUCTS	TOTAL	YEAR	CANNED	BYPRODUCTS	TOTAL
1953	$306,873,674	$74,371,996	$381,245,670	1943	$141,189,000	$59,136,000	$200,325,000
1952	305,829,198	67,991,631	373,820,829	1942	144,997,000	50,897,000	195,894,000
1951	301,210,295	69,313,027	370,523,322	1941	138,684,000	56,801,000	195,485,000
1950	331,335,347	77,188,366	408,523,713	1940	94,182,000	30,554,000	124,736,000
1949	295,503,905	78,472,495	373,976,400	1939	96,627,000	34,039,000	130,666,000
1948	336,181,000	79,866,000	416,047,000	1938	83,446,000	30,576,000	114,022,000
1947	310,679,000	80,592,000	391,271,000	1937	105,175,000	36,804,000	141,979,000
1946	227,629,000	76,643,000	304,272,000	1936	94,564,000	34,969,000	129,533,000
1945	152,800,000	58,211,000	211,011,000	1935	74,999,000	29,520,000	104,519,000
1944	152,914,000	63,299,000	216,213,000	1934	80,021,000	22,598,000	102,619,000

CANNED FISHERY PRODUCTS AND BYPRODUCTS OF THE UNITED STATES, ALASKA, HAWAII AND PUERTO RICO - 1953

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Source of Data--Since 1921, The Branch of Commercial Fisheries of the Fish and Wildlife Service has made annual surveys for statistics of the domestic production of Canned Fishery Products and Byproducts. The data collected include statistics on the production and value of each canned commodity by can sizes and trade classifications. The value shown for the products constitutes the gross amount received by the producer at the production point, no deductions being made for commission or expenses. Statistics on the canned fishery products and byproducts produced in Alaska are obtained by the Branch of Alaska Fisheries of the Service. The Hawaiian canned tuna production was furnished by the Board of Commissioners of Agriculture and Forestry of the Territory of Hawaii- Division of Fish and Game.

UNITED STATES, ALASKA, HAWAII, AND PUERTO RICO PRODUCTION OF CANNED FISHERY PRODUCTS AND BYPRODUCTS, 1953

THE PACK OF CANNED FISHERY PRODUCTS IN THE UNITED STATES, ALASKA, HAWAII, AND PUERTO RICO IN 1953 AMOUNTED TO 792,193,646 POUNDS, VALUED AT $306,873,674 TO THE PACKERS. THIS WAS A DECREASE OF 3 PERCENT IN VOLUME BUT AN INCREASE OF LESS THAN 1/2 OF ONE PERCENT IN VALUE COMPARED WITH 1952. SHARPLY REDUCED PACKS OF SALMON AND PACIFIC COAST SARDINES WERE LARGELY RESPONSIBLE FOR THE VOLUME OF THE TOTAL PACK FALLING BELOW THAT OF SEVERAL RECENT YEARS. RECORD PACKS OF TUNA AND ANCHOVIES WERE CANNED DURING THE YEAR. CANNED FISHERY PRODUCTS WERE PACKED IN 427 PLANTS IN 24 STATES AND ALASKA, HAWAII, AND PUERTO RICO, DURING 1953.

THE PACK OF TUNA AND TUNALIKE FISHES EXCEEDED THAT OF ANY OTHER ITEM IN BOTH VOLUME AND VALUE IN 1953. THE PRODUCTION AMOUNTED TO 9,580,026 CASES (188,703,999 POUNDS), VALUED AT $126,257,608. THIS WAS 459,137 CASES AND $13,223,098 MORE THAN IN 1952. THE VALUE OF THE TUNA PACK WAS NEARLY 54 PERCENT GREATER THAN THAT OF THE SECOND PLACE SALMON. THE TUNA PACK INCLUDES THE PRODUCTION IN PUERTO RICO FOR 1953. THESE FISH WERE NOT CANNED THERE PREVIOUSLY.

THE 1953 PACK OF CANNED SALMON AMOUNTED TO 3,911,859 STANDARD CASES (187,769,232 POUNDS), VALUED AT $82,240,468 TO THE CANNERS. COMPARED WITH 1952 THIS WAS A DECREASE OF 12 PERCENT IN VOLUME AND 16 PERCENT IN VALUE. THE 1953 SALMON PACK WAS THE SMALLEST SINCE 1921, WHEN ECONOMIC CONDITIONS RESTRICTED PRODUCTION, AND WAS LESS THAN 44 PERCENT AS LARGE AS THE RECORD PACK OF 8,965,177 CASES CANNED IN 1936. THE REDUCED PACK WAS DUE LARGELY TO SMALL RUNS OF SALMON IN ALASKA. SUPPLIES OF THESE FISH IN THE PUGET SOUND DISTRICT OF WASHINGTON WERE ABOVE THE AVERAGE FOR THE PAST TWENTY YEARS.

THE 1953 PACK OF PACIFIC SARDINES (PILCHARDS) AMOUNTED TO ONLY 63,612 STANDARD CASES (2,862,540 POUNDS), VALUED AT $653,131. THE VOLUME OF THE PACK WAS ONLY SLIGHTLY OVER ONE PERCENT OF THE RECORD PRODUCTION OF 5,070,805 CASES CANNED IN 1950. THE SMALL PACK WAS DUE TO THE ALMOST COMPLETE ABSENCE OF SARDINES OFF CALIFORNIA.

THE PACK OF MAINE SARDINES AMOUNTED TO 2,782,495 CASES (56,484,648 POUNDS), VALUED AT $16,954,119 TO THE PACKERS. COMPARED WITH THE PREVIOUS YEAR, THIS WAS A DECREASE OF 21 PERCENT IN BOTH VOLUME AND VALUE. THE CANNING OF MAINE SARDINES WAS SEVERELY RESTRICTED BY THE INABILITY OF FISHERMEN TO LOCATE SUPPLIES OF HERRING. THE CATCH OF THESE FISH WAS ONLY ABOUT TWO-THIRDS AS LARGE AS IN THE PREVIOUS YEAR. THERE WAS A SHARP INCREASE IN THE PACK OF LARGE FISH IN 15 OUNCE CANS IN 1953, WITH 338,757 FORTY-FIVE POUND CASES OF THESE FISH BEING PACKED COMPARED WITH 169,735 CASES THE PREVIOUS YEAR. THE PACK IN THE MORE COMMON 3-1/4 OUNCE CANS, 100 PER CASE AMOUNTED TO ONLY 1,833,567 CASES, COMPARED WITH 2,952,735 CASES THE PREVIOUS YEAR.

THE CANNING OF ANCHOVIES IN CALIFORNIA INCREASED SHARPLY IN 1953 AND THE PACK TOTALED 1,061,995 STANDARD CASES (33,187,344 POUNDS), VALUED AT $7,661,173. THIS WAS AN INCREASE OF 57 PERCENT IN QUANTITY COMPARED WITH THE PREVIOUS YEAR. MOST OF THE ANCHOVIES WERE PACKED FOR EXPORT.

THE 1953 PRODUCTION OF FISHERY BYPRODUCTS IN THE UNITED STATES AND ALASKA WAS VALUED AT $74,371,996 9 PERCENT MORE THAN THE PREVIOUS YEAR. THE 1953 PRODUCTION OF FISH AND MARINE-ANIMAL SCRAP AMOUNTED TO 238,851 TONS, VALUED AT $29,559,653 TO THE PRODUCERS. THIS WAS AN INCREASE OF 17,448 TONS IN VOLUME, AND $2,397,999 IN VALUE COMPARED WITH THE PREVIOUS YEAR. THE PRODUCTION OF MARINE-ANIMAL OILS IN THE UNITED STATES AND ALASKA DURING THE YEAR AMOUNTED TO 20,294,118 GALLONS, VALUED AT $11,481,906 TO THE PRODUCERS. THIS WAS AN INCREASE OF 26 PERCENT IN VOLUME AND 22 PERCENT IN VALUE COMPARED WITH 1952. SOME OF THE OTHER IMPORTANT BYPRODUCTS PRODUCED DURING THE YEAR WERE MARINE PEARL-SHELL, OYSTER-SHELL, AND FRESH-WATER SHELL PRODUCTS, VALUED AT $16,592,019, AND FISH SOLUBLES AND HOMOGENIZED-CONDENSED FISH VALUED AT $7,344,967. BYPRODUCTS WERE PRODUCED IN 252 PLANTS IN 24 STATES AND ALASKA DURING 1953.

* * * * * * * * *

STANDARD CASES AND CONVERSION FACTORS -- DURING RECENT YEARS, IT HAS OCCASIONALLY BEEN NECESSARY TO REVISE THE SIZE OF THE STANDARD CASES USED IN REPORTING THE PACK OF CERTAIN ITEMS OF CANNED FISH AND SHELLFISH DUE TO CHANGES IN CANNING PRACTICES. IT HAS ALSO BEEN NECESSARY TO REVISE THESE FIGURES WHEN IT HAS BEEN FOUND THAT THE CONTENTS WERE LESS THAN WAS FORMERLY BELIEVED. BECAUSE OF THESE CHANGES, COMPARISONS OF THE "NUMBER OF CASES" OR "POUNDS" OF INDIVIDUAL PRODUCTS REPORTED IN FORMER YEARS SHOULD BE MADE WITH EXTREME CARE TO BE CERTAIN THAT THE FIGURES ARE COMPARABLE. THE SIZE OF STANDARD CASES OF INDIVIDUAL ITEMS OF CANNED FISHERY PRODUCTS IS INDICATED AT THE BOTTOM OF THE INDIVIDUAL PACK TABLES IN THE ANNUAL CANNED FISH AND BYPRODUCTS BULLETINS. THE FACTORS USED TO CONVERT STANDARD CASES TO POUNDS DURING THE PERIOD FROM 1921 TO 1953 WILL BE FOUND ON PAGE 4. THE HISTORICAL PACK DATA APPEARING ON PAGE 17 ARE BASED ON THE SIZE OF THE STANDARD CASES USED IN 1953.

SUMMARY OF PRODUCTION, BY COMMODITIES, 1953

PRODUCT	NUMBER OF PLANTS	STANDARD CASES	POUNDS PER CASE	POUNDS	VALUE
CANNED PRODUCTS:					
SALMON:					
UNITED STATES	40	1,049,547	48	50,378,256	$24,067,839
ALASKA	100	2,862,312	48	137,390,976	58,172,629
TOTAL	140	3,911,859		187,769,232	82,240,468
SARDINES:					
MAINE	46	2,782,495	20.3	56,484,648	16,954,119
PACIFIC	18	63,612	45	2,862,540	653,131
ANCHOVIES	33	1,061,995	31.25	33,187,344	7,661,173
TUNA AND TUNALIKE FISHES:					
TUNA:					
SOLID	44	3,175,786	21	66,691,506	47,725,583
CHUNKS	32	4,415,677	19.5	86,105,702	59,609,166
FLAKES AND GRATED	39	1,815,596	18	32,680,728	17,409,446
TOTAL TUNA	1/45	9,407,059		185,477,936	124,744,195
TUNALIKE FISHES:					
SOLID	10	29,861	21	627,081	265,274
CHUNKS	5	15,383	19.5	299,968	124,984
FLAKES	13	127,723	18	2,299,014	1,123,155
TOTAL TUNALIKE FISHES	1/17	172,967		3,226,063	1,513,413
TOTAL TUNA AND TUNALIKE FISHES	1/45	9,580,026		188,703,999	126,257,608
ALEWIVES	17	111,391	45	5,012,595	507,925
MACKEREL	28	596,321	45	26,834,445	5,038,512
SALMON, SMOKED	15	699	48	33,552	36,791
SEA HERRING, PACIFIC	6	17,923	45	806,535	140,178
SHAD	6	7,603	45	342,135	57,571
STURGEON, SMOKED	5	709	48	34,032	45,631
FISH ANIMAL FOOD	36	3,881,245	48	186,299,760	17,348,052
FISH CAKES (PRINCIPALLY GROUNDFISH)	5	75,529	48	3,625,392	888,158
FISH FLAKES (GROUNDFISH), AND FISH PASTE AND SPREAD	5	9,568	48	459,264	237,806
FISH SPECIALTIES AND MISCELLANEOUS FISH	12	288,014	48	13,824,672	3,160,599
FISH ROE AND CAVIAR	49	65,742	48	3,155,616	1,812,844
TOTAL FISH		22,454,731		709,435,761	263,040,566
CLAM PRODUCTS:					
WHOLE CLAMS	16	39,503	15	2/592,545	566,344
MINCED CLAMS	20	274,499	15	2/4,117,485	3,326,405
CHOWDER	11	1,292,850	30	2/38,785,500	8,500,597
JUICE	9	38,483	30	2/1,154,490	236,457
TOTAL CLAM PRODUCTS	1/35	1,645,335		44,650,020	12,629,803
CLAM SPECIALTIES	4	3,685	48	176,880	26,796
CRAB MEAT, NATURAL	39	114,886	19.5	2,240,277	2,898,016
CRAB SPECIALTIES	11	6,514	48	312,672	173,027
LOBSTER SPECIALTIES	7	8,113	48	389,424	283,031
SHRIMP, NATURAL, WET AND DRY PACK	43	1,016,116	15	3/15,241,740	18,946,622
SHRIMP SPECIALTIES	14	8,540	48	409,920	205,155
SQUID	17	163,518	48	7,848,864	702,766
OYSTERS, NATURAL	44	488,908	14	3/6,844,712	6,559,309
OYSTER SPECIALTIES, INCLUDING SMOKED	16	73,485	48	3,527,280	1,056,712
TERRAPIN AND TURTLE MEAT, SOUP AND STEW	8	18,923	48	908,304	255,180
MISCELLANEOUS SHELLFISH SPECIALTIES	5	4,329	48	207,792	96,691
TOTAL SHELLFISH		3,552,352		82,757,885	43,833,108
TOTAL FISH AND SHELLFISH	1/427	26,007,083		792,193,646	306,873,674

BYPRODUCTS:		UNIT	QUANTITY	VALUE
MARINE ANIMAL SCRAP AND MEAL	166	TONS	238,851	$29,559,653
MARINE ANIMAL OILS:				
BODY OIL	95	GALLONS	20,089,787	10,045,279
LIVER AND VISCERA OIL	13	DO	204,331	1,436,627
MARINE PEARL-SHELL BUTTONS	21	GROSS	4,612,153	7,403,894
MUSSEL-SHELL PRODUCTS, FRESH-WATER	13	-	-	5,357,849
OYSTER-SHELL PRODUCTS	27	TONS	466,732	3,830,276
FISH SOLUBLES AND HOMOGENIZED CONDENSED FISH	35	POUNDS	162,988,193	7,344,967
MISCELLANEOUS BYPRODUCTS	15	-	-	9,393,451
TOTAL BYPRODUCTS	252	-	-	74,371,996
GRAND TOTAL	1/629	-	-	381,245,670

1/ EXCLUSIVE OF DUPLICATION. 2/ "CUT OUT" OR "DRAINED" WEIGHTS OF CAN CONTENTS ARE GIVEN FOR WHOLE OR MINCED CLAMS, AND NET CAN CONTENT FOR OTHER CLAM PRODUCTS. 3/ DRAINED WEIGHT.

NOTE:--LISTS OF CANNERS AND MANUFACTURERS OF FISHERY BYPRODUCTS BY INDIVIDUAL COMMODITIES MAY BE OBTAINED FROM THE FISH AND WILDLIFE SERVICE, WASHINGTON 25, D.C.

SUMMARY OF PRODUCTION, BY STATES, 1953

STATE	CANNED		BYPRODUCTS	TOTAL
	POUNDS	VALUE	VALUE	VALUE
MAINE	107,973,030	$22,511,998	$1,936,102	$24,448,100
MASSACHUSETTS, CONNECTICUT, RHODE ISLAND	59,100,026	6,689,788	7,865,181	14,554,969
NEW YORK	9,548,856	2,066,665	5,058,317	7,124,982
NEW JERSEY	25,988,409	6,605,251	9,610,226	16,215,477
PENNSYLVANIA, DELAWARE	8,609,814	2,621,773	7,793,698	10,415,471
MARYLAND, PUERTO RICO	5,238,507	1,996,727	1,865,744	3,862,471
VIRGINIA	5,458,488	683,679	3,945,502	4,629,181
NORTH CAROLINA	936,896	708,705	2,750,758	3,459,463
SOUTH CAROLINA, GEORGIA	1,655,326	1,730,837	76,921	1,807,758
FLORIDA, ALABAMA	1,349,133	1,586,257	2,168,505	3,754,762
MISSISSIPPI	30,727,973	8,761,985	1,079,565	9,841,550
LOUISIANA	14,023,114	16,101,122	7,633,432	23,734,554
TEXAS	-	-	1,980,137	1,980,137
ILLINOIS, OHIO, TENNESSEE, WISCONSIN	3,691,296	444,975	-	444,975
IOWA	-	-	5,336,135	5,336,135
MINNESOTA, MISSOURI	-	-	90,500	90,500
WASHINGTON	53,442,293	24,357,778	1,295,844	25,653,622
OREGON, HAWAII	26,728,643	18,229,708	328,632	18,558,340
CALIFORNIA	299,436,989	132,298,470	12,713,326	145,011,796
ALASKA	138,284,853	59,477,956	843,471	60,321,427
TOTAL	792,193,646	306,873,674	74,371,996	381,245,670

FACTORS USED TO CONVERT STANDARD CASES TO POUNDS

PRODUCT	PRIOR TO 1938	1939 AND 1940	1941	1942
	POUNDS PER CASE	POUNDS PER CASE	POUNDS PER CASE	POUNDS PER CASE
SARDINES:				
MAINE	25	25	25	20.3
PACIFIC	48	48	48	45
TUNA AND TUNALIKE FISHES:				
SOLID	24	24	21	22.5
CHUNKS	-	-	-	-
FLAKES	24	24	21	18
MACKEREL	48	48	48	45
ALEWIVES	48	48	48	48
ANCHOVIES	48	48	48	48
SHAD	48	48	48	48
FISH FLAKES	48	48	48	48
OYSTERS	15	15	15	15
SHRIMP:				
WET PACK	17.25	17.25	17.25	21
DRY PACK	15	15	15	19.5
CLAM PRODUCTS:				
WHOLE AND MINCED	15	15	15	15
JUICE, CHOWDER, BROTH, ETC.	30	30	30	30
CRABS	48	39	39	39
ALL OTHER	48	48	48	48

PRODUCT	1943	1944 TO 1947	1948 TO 1951	1952	1953
	POUNDS PER CASE	POUNDS PER CASE	POUNDS PER CASE	POUNDS PER CASE	POUNDS PER CASE
SARDINES:					
MAINE	20.3	20.3	20.3	20.3	20.3
PACIFIC	45	45	45	45	45
TUNA AND TUNALIKE FISHES:					
SOLID	22.5	21	21	21	21
CHUNKS	-	(1)	(1)	19.5	19.5
FLAKES	18	18	18	18	18
MACKEREL	45	45	45	45	45
ALEWIVES	45	45	45	45	45
ANCHOVIES	48	48	48	48	31.25
SHAD	48	45	45	45	45
FISH FLAKES	48	42	42	42	42
OYSTERS	22.5	22.5	14	14	14
SHRIMP:					
WET PACK	21	21	15	15	15
DRY PACK	19.5	-	-	15	15
CLAM PRODUCTS:					
WHOLE AND MINCED	15	15	15	15	15
JUICE, CHOWDER, BROTH, ETC.	30	30	30	30	30
CRABS	39	39	19.5	19.5	19.5
ALL OTHER	48	48	48	48	48

1/ PRIOR TO 1952 CHUNK PACK TUNA WAS INCLUDED WITH THE FLAKE PACK.

NOTE:--THE FACTORS LISTED ABOVE WERE USED IN CONVERTING THE STANDARD CASES REPORTED IN THE CANNED FISHERY PRODUCTS BULLETINS FOR THE YEARS INDICATED. THE CASES SHOWN FOR ALL YEARS LISTED IN THE HISTORICAL SECTION ON PAGE 17 REPRESENT THE SAME SIZED CASES REPORTED FOR 1953.

PACK OF CANNED SALMON, 1953

STANDARD CASES

SPECIES AND CAN SIZE	ALASKA							
	SOUTHEASTERN		CENTRAL		WESTERN		TOTAL	
	CASES	VALUE	CASES	VALUE	CASES	VALUE	CASES	VALUE
CHINOOK OR KING:								
1 POUND TALL	1,350	$26,505	19,167	$442,080	8,301	$203,066	28,818	$671,651
1 POUND FLAT	-	-	2	73	-	-	2	73
1/2 POUND FLAT	95	2,434	6,835	206,575	12,539	401,227	19,469	610,236
7 OUNCE TUNA	-	-	7,715	264,525	-	-	7,715	264,525
20 OUNCE CAN	-	-	-	-	10	195	10	195
29 OUNCE CAN	-	-	-	-	72	960	72	960
4 POUND TALL	5	120	54	1,350	-	-	59	1,470
TOTAL	1,450	29,059	33,773	914,603	20,922	605,448	56,145	1,549,110
CHUM OR KETA:								
1 POUND TALL	400,641	5,216,040	321,055	4,380,841	36,386	505,646	758,082	10,102,527
1/2 POUND FLAT	7,419	109,228	9,415	159,288	9,826	160,843	26,660	429,359
4 POUND TALL	3,766	52,574	2,404	36,060	-	-	6,170	88,634
TOTAL	411,826	5,377,842	332,874	4,576,189	46,212	666,489	790,912	10,620,520
PINK:								
1 POUND TALL	315,892	5,492,745	565,095	9,838,277	1,178	21,199	882,165	15,352,221
1/2 POUND FLAT	28,762	577,209	28,432	573,715	-	-	57,194	1,150,924
7 OUNCE TUNA	4,204	96,090	-	-	-	-	4,204	96,090
4 POUND TALL	676	12,809	95	1,852	-	-	771	14,661
TOTAL	349,534	6,178,853	593,622	10,413,844	1,178	21,199	944,334	16,613,896
RED OR SOCKEYE:								
1 POUND TALL	85,352	2,245,288	226,865	6,011,945	401,339	10,972,540	713,556	19,229,773
1 POUND FLAT	-	-	4	146	19,121	535,773	19,125	535,919
1/2 POUND FLAT	34,191	1,121,496	122,163	4,171,544	42,468	1,477,106	198,822	6,770,146
7 OUNCE TUNA	-	-	4,523	155,085	-	-	4,523	155,085
4 POUND TALL	7,026	184,086	84	2,352	-	-	7,110	186,438
TOTAL	126,569	3,550,870	353,639	10,341,072	462,928	12,985,419	943,136	26,877,361
SILVER OR COHO:								
1 POUND TALL	79,848	1,487,006	30,521	590,289	789	16,619	111,158	2,093,914
1 POUND FLAT	-	-	49	1,788	-	-	49	1,788
1/2 POUND FLAT	7,480	191,981	4,807	113,044	1,967	59,600	14,254	364,625
7 OUNCE TUNA	-	-	687	18,066	-	-	687	18,066
4 POUND TALL	933	18,660	479	10,538	-	-	1,412	29,198
TOTAL	88,261	1,697,647	36,543	733,725	2,756	76,219	127,560	2,507,591
STEELHEAD:								
1 POUND TALL	202	3,754	-	-	-	-	202	3,754
4 POUND TALL	23	397	-	-	-	-	23	397
TOTAL	225	4,151	-	-	-	-	225	4,151
GRAND TOTAL	977,865	16,838,422	1,350,451	26,979,433	533,996	14,354,774	2,862,312	58,172,629

PACK OF CANNED SALMON, 1953 - Continued

STANDARD CASES

SPECIES AND CAN SIZE	UNITED STATES						GRAND TOTAL, UNITED STATES AND ALASKA	
	WASHINGTON		OREGON 1/		TOTAL UNITED STATES			
	CASES	VALUE	CASES	VALUE	CASES	VALUE	CASES	VALUE
CHINOOK OR KING:								
1 POUND TALL	2,813	$41,258	4,567	$72,474	7,380	$113,732	36,198	$785,383
1 POUND FLAT	-	-	1,938	75,164	1,938	75,164	1,940	75,237
1/2 POUND FLAT	19,834	656,124	1/68,596	1/2,360,148	88,430	3,016,272	107,899	3,626,508
1/4 POUND FLAT	584	18,370	3,592	139,534	4,176	157,904	4,176	157,904
7 OUNCE TUNA	-	-	-	-	-	-	7,715	264,525
20 OUNCE CAN	-	-	-	-	-	-	10	195
29 OUNCE CAN	-	-	-	-	-	-	72	960
4 POUND TALL	368	6,620	-	-	368	6,620	427	8,090
TOTAL	23,599	722,372	78,693	2,647,320	102,292	3,369,692	158,437	4,918,802
CHUM OR KETA:								
1 POUND TALL	149,847	1,993,691	4,638	61,092	154,485	2,054,783	912,567	12,157,310
1/2 POUND FLAT	10,746	171,210	612	9,840	11,358	181,050	38,018	610,409
4 POUND TALL	9,663	187,551	-	-	9,663	187,551	15,833	276,185
TOTAL	170,256	2,352,452	5,250	70,932	175,506	2,423,384	966,418	13,043,904
PINK:								
1 POUND TALL	346,385	6,191,868	-	-	346,385	6,191,868	1,228,550	21,544,089
1/2 POUND FLAT	93,638	1,874,702	149	3,278	93,787	1,877,980	150,981	3,028,904
7 OUNCE TUNA	-	-	-	-	-	-	4,204	96,090
4 POUND TALL	10,246	192,692	-	-	10,246	192,692	11,017	207,353
OTHER	1,887	39,627	-	-	1,887	39,627	1,887	39,627
TOTAL	452,156	8,298,889	149	3,278	452,305	8,302,167	1,396,639	24,916,063
RED OR SOCKEYE:								
1 POUND TALL	38,049	977,390	-	-	38,049	977,390	751,605	20,207,163
1 POUND FLAT	-	-	-	-	-	-	19,125	535,919
1/2 POUND FLAT	171,128	5,971,902	1,477	58,447	172,605	6,030,349	371,427	12,800,495
1/4 POUND FLAT	8,645	370,738	1,141	54,768	9,786	425,506	9,786	425,506
7 OUNCE TUNA	-	-	-	-	-	-	4,523	155,085
4 POUND TALL	-	-	-	-	-	-	7,110	186,438
TOTAL	217,822	7,320,030	2,618	113,215	220,440	7,433,245	1,163,576	34,310,606
SILVER OR COHO:								
1 POUND TALL	19,358	384,381	1,288	23,843	20,646	408,224	131,804	2,502,138
1 POUND FLAT	2,459	49,491	-	-	2,459	49,491	2,508	51,279
1/2 POUND FLAT	20,275	470,861	1/11,732	1/292,264	32,007	763,125	46,261	1,127,750
1/4 POUND FLAT	6,864	223,808	8,658	296,202	15,522	520,010	15,522	520,010
7 OUNCE TUNA	-	-	-	-	-	-	687	18,066
4 POUND TALL	8,590	173,600	-	-	8,590	173,600	10,002	202,798
OTHER	360	8,280	-	-	360	8,280	360	8,280
TOTAL	57,906	1,310,421	21,678	612,309	79,584	1,922,730	207,144	4,430,321
STEELHEAD:								
1 POUND TALL	-	-	1,530	35,316	1,530	35,316	1,732	39,070
1 POUND FLAT	-	-	840	23,940	840	23,940	840	23,940
1/2 POUND FLAT	-	-	12,424	355,992	12,424	355,992	12,424	355,992
1/4 POUND FLAT	-	-	4,626	201,373	4,626	201,373	4,626	201,373
4 POUND TALL	-	-	-	-	-	-	23	397
TOTAL	-	-	19,420	616,621	19,420	616,621	19,645	620,772
GRAND TOTAL	921,739	20,004,164	127,808	4,063,675	1,049,547	24,067,839	3,911,859	82,240,468

1/ INCLUDES A SMALL PACK PRODUCED IN CALIFORNIA.

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZED CASES CONVERTED TO THE EQUIVALENT OF FORTY-EIGHT 1-POUND CANS, EACH CONTAINING 16 OUNCES OF SALMON. SALMON WERE CANNED IN 30 PLANTS IN WASHINGTON, 9 IN OREGON, 1 IN CALIFORNIA, AND 100 IN ALASKA.

PACIFIC COAST STATES SALMON PACK, BY DISTRICTS, 1953

STANDARD CASES

SPECIES	PUGET SOUND		COLUMBIA RIVER		COASTAL		TOTAL	
	CASES	VALUE	CASES	VALUE	CASES	VALUE	CASES	VALUE
CHINOOK OR KING . .	3,985	$85,394	97,320	$3,267,303	987	$16,995	102,292	$3,369,692
CHUM OR KETA. . . .	154,476	2,149,803	9,775	130,062	11,255	143,519	175,506	2,423,384
PINK.	452,054	8,296,849	251	5,318	-	-	452,305	8,302,167
RED OR SOCKEYE. . .	216,984	7,287,895	3,014	127,791	442	17,559	220,440	7,433,245
SILVER OR COHO. . .	54,943	1,237,717	24,219	676,237	422	8,776	79,584	1,922,730
STEELHEAD	-	-	19,420	616,621	-	-	19,420	616,621
TOTAL.	882,442	19,057,658	153,999	4,823,332	13,106	186,849	1,049,547	24,067,839

PUGET SOUND SALMON PACK, BY ORIGIN OF FISH, 1953

SPECIES	PUGET SOUND FISH	CANADIAN FISH	ALASKAN FISH	TOTAL
	STANDARD CASES	STANDARD CASES	STANDARD CASES	STANDARD CASES
CHINOOK OR KING . .	3,974	-	11	3,985
CHUM OR KETA. . . .	69,898	74,644	9,934	154,476
PINK.	440,860	-	11,194	452,054
RED OR SOCKEYE. . .	164,848	-	52,136	216,984
SILVER OR COHO. . .	42,413	12,488	42	54,943
TOTAL.	721,993	87,132	73,317	882,442

PACK OF MAINE SARDINES, INCLUDING SEA HERRING, 1953

STYLE OF PACK	STANDARD CASES	VALUE	CAN CONTENTS AND CASE SIZE	ACTUAL CASES	VALUE
NATURAL, WITHOUT SAUCE OR OIL . .	483,926	$1,595,912	3-1/4 OUNCES NET (100 CANS). .	1,833,567	$13,348,682
IN SOYBEAN OIL.	1,599,522	11,470,872	5 OUNCES NET (100 CANS). . . .	24,887	172,089
IN MUSTARD SAUCE.	302,378	2,001,731	9 OUNCES NET (48 CANS). . . .	94,433	659,599
IN TOMATO SAUCE	366,139	1,634,339	10 OUNCES NET (48 CANS). . . .	10,986	77,170
IN OLIVE OIL.	16,127	138,208	15 OUNCES NET (48 CANS). . . .	338,757	2,629,415
OTHER 1/.	14,403	113,057	OTHER SIZES (CONVERTED TO 3-1/4 NET (100 CANS)	18,415	67,164
TOTAL.	2,782,495	16,954,119	TOTAL	2,321,045	16,954,119

1/ INCLUDES SPECIAL PACKS OF SARDINES (INCLUDING SEA HERRING) IN COTTONSEED OIL, PEANUT OIL, AND KIPPERED.
NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZED CASES CONVERTED TO THE UNIFORM BASIS OF ONE HUNDRED 1/4 OIL CANS (3-1/4 OUNCES NET) TO THE CASE. SARDINES (INCLUDING SEA HERRING) WERE CANNED IN 44 PLANTS IN MAINE AND 2 IN MASSACHUSETTS.

PACK OF PACIFIC SARDINES (PILCHARDS) ,1953

STYLE OF PACK	STANDARD CASES	VALUE	CAN AND CASE SIZE	ACTUAL CASES	VALUE
NATURAL, WITHOUT SAUCE OR OIL . .	18,523	$151,029	1 POUND CANS:		
			15 OUNCES NET,OVAL (48 CANS)	42,822	$479,252
IN TOMATO SAUCE	36,146	405,050	15 OUNCES NET,TALL (48 CANS)	18,897	154,021
			OTHER SIZES (CONVERTED TO		
IN MUSTARD SAUCE 1/.	8,943	97,052	15 OUNCES NET (100 CANS) . .	1,893	19,858
TOTAL.	63,612	653,131	TOTAL	63,612	653,131

1/ INCLUDES A SMALL SPECIALTY PACK OF SARDINES (PILCHARDS) IN SOY SAUCE.
NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZED CASES CONVERTED TO THE UNIFORM BASIS OF FORTY-EIGHT 1-POUND CANS (15 OUNCES NET). SARDINES (PILCHARDS) WERE CANNED IN 18 PLANTS IN CALIFORNIA.

PACK OF ANCHOVIES, 1953

STYLE OF PACK	STANDARD CASES	VALUE	CAN CONTENTS AND CASE SIZE	ACTUAL CASES	VALUE
NATURAL, WITHOUT SAUCE OR OIL . .	3,571	$22,988	5 OUNCES NET (100 CANS). . . .	479,513	$3,359,754
			7-1/2 OUNCES NET (48 CANS) . .	427,648	2,775,051
IN TOMATO SAUCE	1,058,424	7,638,185	15 OUNCES NET (48 CANS). . . .	190,678	1,526,368
TOTAL.	1,061,995	7,661,173	TOTAL	1,097,839	7,661,173

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZED CASES CONVERTED TO THE UNIFORM BASIS OF 100 CANS, EACH CAN CONTAINING 5 OUNCES OF ANCHOVY. ANCHOVIES WERE CANNED IN 33 PLANTS IN CALIFORNIA.

PACK OF TUNA AND TUNALIKE FISHES, 1953

STANDARD CASES

SPECIES	CALIFORNIA		WASHINGTON, OREGON AND HAWAII		ATLANTIC COAST AND PUERTO RICO		TOTAL	
	CASES	VALUE	CASES	VALUE	CASES	VALUE	CASES	VALUE
TUNA:								
ALBACORE:								
SOLID PACK . . .	1,146,952	$17,606,213	330,707	$5,386,391	-	-	1,477,659	$22,992,604
CHUNKS	548,097	7,501,504	164,999	2,232,499	-	-	713,096	9,734,003
FLAKES AND GRATED	405,066	3,917,597	94,814	816,620	-	-	499,880	4,734,217
TOTAL	2,100,115	29,025,314	590,520	8,435,510	-	-	2,690,635	37,460,824
YELLOWFIN:								
SOLID PACK . . .	853,854	12,673,378	(1)	(1)	-	-	853,854	12,673,378
CHUNKS	1,607,850	21,739,332	(1)	(1)	-	-	1,607,850	21,739,332
FLAKES AND GRATED	597,281	5,684,425	-	-	-	-	597,281	5,684,425
TOTAL	3,058,985	40,097,135	(1)	(1)	-	-	3,058,985	40,097,135
BLUEFIN:								
SOLID PACK . . .	59,080	826,345	(1)	(1)	-	-	59,080	826,345
CHUNKS	121,896	1,702,321	-	-	-	-	121,896	1,702,321
FLAKES AND GRATED	37,889	359,459	(1)	(1)	-	-	37,889	359,459
TOTAL	218,865	2,888,125	(1)	(1)	-	-	218,865	2,888,125
SKIPJACK:								
SOLID PACK . . .	377,051	5,667,020	(1)	(1)	-	-	377,051	5,667,020
CHUNKS	1,662,926	22,617,792	(1)	(1)	-	-	1,662,926	22,617,792
FLAKES AND GRATED	489,562	4,697,291	-	-	-	-	489,562	4,697,291
TOTAL	2,529,539	32,982,103	(1)	(1)	-	-	2,529,539	32,982,103
TONNO, SOLID PACK.	186,068	2,639,125	-	-	-	-	186,068	2,639,125
UNCLASSIFIED:								
SOLID PACK . . .	-	-	2/137,051	1,874,428	3/85,023	$1,052,683	222,074	2,927,111
CHUNKS	-	-	2/265,953	3,308,077	3/43,956	507,641	309,909	3,815,718
FLAKES AND GRATED	12,135	127,543	2/61,139	662,476	3/117,710	1,144,035	190,984	1,934,054
TOTAL	12,135	127,543	2/464,143	5,844,981	3/246,689	2,704,359	722,967	8,676,883
TOTAL TUNA. . .	8,105,707	107,759,345	1,054,663	14,280,491	246,689	2,704,359	9,407,059	124,744,195
TUNALIKE FISHES:								
BONITO:								
SOLID PACK . . .	18,247	152,660	-	-	-	-	18,247	152,660
CHUNKS	2,376	21,194	-	-	-	-	2,376	21,194
FLAKES AND GRATED	50,230	450,318	-	-	-	-	50,230	450,318
TOTAL	70,853	624,172	-	-	-	-	70,853	624,172
YELLOWTAIL:								
SOLID PACK . . .	11,614	112,614	-	-	-	-	11,614	112,614
CHUNKS	13,007	103,790	-	-	-	-	13,007	103,790
FLAKES AND GRATED	77,493	672,837	-	-	-	-	77,493	672,837
TOTAL	102,114	889,241	-	-	-	-	102,114	889,241
TOTAL TUNALIKE.	172,967	1,513,413	-	-	-	-	172,967	1,513,413
GRAND TOTAL . .	8,278,674	109,272,758	1,054,663	14,280,491	246,689	2,704,359	9,580,026	126,257,608

1/ INCLUDED WITH THE UNCLASSIFIED SPECIES.
2/ INCLUDES ALBACORE, YELLOWFIN, BLUEFIN, SKIPJACK, AND BIG EYE TUNA.
3/ INCLUDES ALBACORE, YELLOWFIN, BLUEFIN, SKIPJACK AND LITTLE TUNA.

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZED CASES CONVERTED TO THE EQUIVALENT OF FORTY-EIGHT NO. 1/2 TUNA CANS TO THE CASE, EACH CAN CONTAINING 7 OUNCES NET WEIGHT OF SOLID PACK OR 6-1/2 OUNCES NET WEIGHT OF CHUNKS, OR 6 OUNCES NET WEIGHT OF FLAKES OR GRATED. DIETETIC AND BABY FOOD TUNA PACKS ARE INCLUDED IN THESE TOTALS. TUNA AND TUNALIKE FISHES WERE CANNED IN 26 PLANTS IN CALIFORNIA, 7 IN OREGON, 4 IN WASHINGTON, 2 IN HAWAII, AND 1 PLANT EACH IN MAINE, MASSACHUSETTS, PENNSYLVANIA, MARYLAND, SOUTH CAROLINA, AND PUERTO RICO.

PACK OF TUNA AND TUNALIKE FISHES, BY CAN SIZES, 1953

CAN AND CASE SIZE	ACTUAL CASES	VALUE	CAN AND CASE SIZE	ACTUAL CASES	VALUE
4 POUNDS . . . . . 12 CANS	16,170	$454,885	1/4 POUND. . . . . 48 CANS	891,969	$7,155,379
1 POUND. . . . . 48 CANS	48,740	1,144,607	4 OUNCES . . . . . 100 CANS	48,619	755,653
1/2 POUND. . . . . 48 CANS	8,938,631	116,747,084	TOTAL	9,944,129	126,257,608

PACK OF CANNED ALEWIVES, 1953

STATE	STANDARD CASES	VALUE
MARYLAND AND NORTH CAROLINA	39,463	$184,807
VIRGINIA	71,928	323,118
TOTAL	111,391	507,925

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZED CASES CONVERTED TO THE EQUIVALENT OF FORTY-EIGHT CANS OF 15 OUNCES EACH. PRACTICALLY THE ENTIRE PACK WAS CANNED IN 15 OUNCE CANS. ALEWIVES WERE CANNED IN 5 PLANTS IN MARYLAND, 11 IN VIRGINIA, AND 1 IN NORTH CAROLINA.

PACK OF CANNED MACKEREL, 1953

STATE AND STYLE OF PACK	STANDARD CASES	VALUE	CAN AND CASE SIZE	ACTUAL CASES	VALUE
NATURAL, CALIFORNIA AND MASSACHUSETTS	550,927	$4,561,848	15 OUNCES NET (48 CANS)	588,938	$4,909,509
			7-1/2 OUNCES NET (48 CANS)	12,204	116,495
IN TOMATO SAUCE, CALIFORNIA 1/	45,394	476,664	OTHER SIZES (CONVERTED TO STANDARD CASES)	1,281	12,508
TOTAL	596,321	5,038,512	TOTAL	602,423	5,038,512

1/ INCLUDES A SMALL PACK IN A SPECIAL SAUCE.

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZED CASES CONVERTED TO THE EQUIVALENT OF FORTY-EIGHT 1 POUND CANS TO THE CASE, EACH CAN CONTAINING 15 OUNCES OF FISH. MACKEREL WERE CANNED IN 26 PLANTS IN CALIFORNIA AND 2 IN MASSACHUSETTS. THE PACK OF MACKEREL INCLUDES ATLANTIC, PACIFIC, AND JACK MACKEREL.

PACK OF PACIFIC COAST SEA HERRING, 1953

ITEM	STANDARD CASES	VALUE
SEA HERRING:		
NATURAL	2,789	$22,148
IN TOMATO SAUCE	15,134	118,030
TOTAL	17,923	140,178

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZED CASES CONVERTED TO THE UNIFORM BASIS OF FORTY-EIGHT NO. 1 TALL CANS, EACH CAN CONTAINING 15 OUNCES. SEA HERRING WERE CANNED IN 6 PLANTS IN CALIFORNIA.

PACK OF CANNED SHAD, 1953

STATE	STANDARD CASES	VALUE
WASHINGTON, OREGON AND CALIFORNIA	7,603	$57,571

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZED CASES CONVERTED TO THE UNIFORM BASIS OF FORTY-EIGHT NO. 1 TALL CANS TO THE CASE, EACH CAN CONTAINING 15 OUNCES OF FISH. SHAD WERE CANNED IN 4 PLANTS IN OREGON, AND 1 PLANT EACH IN WASHINGTON AND CALIFORNIA.

PACK OF CANNED ANIMAL FOOD FROM FISHERY PRODUCTS, 1953

STATE AND NUMBER OF PLANTS	STANDARD CASES	VALUE	CAN AND CASE SIZE	ACTUAL CASES	VALUE
MAINE (2) AND MASSACHUSETTS (7)	1,936,964	$7,489,824	6 OUNCES NET (48 CANS)	28,321	$61,753
NEW YORK (1), NEW JERSEY (1), PENNSYLVANIA (1), ILLINOIS (1) AND TENNESSEE (1)	258,387	1,016,858	8 OUNCES NET (48 CANS)	2,307,437	6,005,027
MARYLAND (1), VIRGINIA (1) AND MISSISSIPPI (2)	559,629	2,928,740	16 OUNCES NET (48 CANS)	2,707,730	11,232,558
WASHINGTON (3)	34,400	133,300			
CALIFORNIA (14)	1,091,815	5,778,955	OTHER SIZES (CONVERTED TO STANDARD CASES)	9,177	48,714
ALASKA (1)	50	375			
TOTAL (36)	3,881,245	17,348,052	TOTAL	5,052,665	17,348,052

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZED CASES CONVERTED TO THE EQUIVALENT OF FORTY-EIGHT CANS, EACH CONTAINING 16 OUNCES.

PACK OF CANNED FISH ROE AND CAVIAR, 1953

PRODUCT AND NUMBER OF PLANTS	STANDARD CASES	VALUE	STATES OF PRODUCTION AND NUMBER OF PLANTS
ROE:			
ALEWIFE (26)	35,072	$427,781	MARYLAND (5), VIRGINIA (13), NORTH CAROLINA (8)
SHAD (7)	2,330	181,393	MARYLAND (1), OREGON (4), CALIFORNIA (2)
DEEP SEA (2), HERRING (1), CISCO (1)	7,880	80,065	CONNECTICUT (1), MASSACHUSETTS (2), NEW YORK (1)
CAVIAR:			
SALMON (3), STURGEON (2)	4,614	547,053	NEW YORK (3)
WHITEFISH (3)	1,613	90,322	NEW YORK (2), WISCONSIN (1)
TOTAL EDIBLE ROE AND CAVIAR	51,509	1,326,614	
SALMON EGGS FOR BAIT (9)	14,233	486,230	WASHINGTON (9)
GRAND TOTAL (49)	65,742	1,812,844	

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZED CASES CONVERTED TO THE EQUIVALENT OF FORTY-EIGHT CANS, EACH CAN CONTAINING 16 OUNCES OF ROE OR CAVIAR.

PACK OF CANNED FISH ROE AND CAVIAR, BY STATES, 1953

STATE	NUMBER OF PLANTS	STANDARD CASES	VALUE	STATE	NUMBER OF PLANTS	STANDARD CASES	VALUE
MASSACHUSETTS	2	7,349	$70,165	WISCONSIN	1	2,041	$117,497
CONNECTICUT	1			CALIFORNIA	2		
NEW YORK	4	5,431	571,838	WASHINGTON	9	14,233	486,230
MARYLAND	5	5,046	71,546	OREGON	4	1,532	131,846
VIRGINIA	13	21,358	254,965				
NORTH CAROLINA	8	8,752	108,757	TOTAL	49	65,742	1,812,844

PACK OF MISCELLANEOUS CANNED FISHERY PRODUCTS, 1953

PRODUCT	STANDARD CASES	VALUE	LOCATION AND NUMBER OF PLANTS
FISH:			
FISH CAKES (PRINCIPALLY GROUNDFISH)	75,529	$888,158	MAINE (2), MASSACHUSETTS (2), VIRGINIA (1)
FISH FLAKES (GROUNDFISH) AND FISH PASTE AND SPREAD (ANCHOVY, HERRING AND SALMON)	9,568	237,806	MAINE (1), MASSACHUSETTS (1), NEW YORK (2), MARYLAND (1)
FISH, SMOKED OR KIPPERED:			
SALMON	699	36,791	WASHINGTIN (3), OREGON (3), CALIFORNIA (1), ALASKA (8)
STURGEON	709	45,631	WASHINGTON (2), OREGON (3)
FISH SPECIALTIES (FISH BAIT, FISH CHOWDER, DEVILED FISH, AND TUNA AND NOODLES)	283,232	3,092,240	MAINE (1), MASSACHUSETTS (1), VIRGINIA (1), FLORIDA (1), CALIFORNIA (6)
MISCELLANEOUS FISH (SALTED COD, HALIBUT, MENHADEN AND WHITING)	4,782	68.359	MASSACHUSETTS (1), MARYLAND (1), WASHINGTON (1)
SHELLFISH:			
CRAB SPECIALTIES (BISQUE, COCKTAIL, CURRY, CREOLE, DEVILED, NEWBURG, PASTE, SOFT CRABS, SMOKED LEGS AND MEAT, AND SOUP)	6,514	173,027	NEW YORK (1), PENNSYLVANIA (1), MARYLAND (2), NORTH CAROLINA (1), FLORIDA (1), LOUISIANA (1), WASHINGTON (2), OREGON (2)
LOBSTER SPECIALTIES (BISQUE, MEAT, NEWBURG, PASTE, SAVANNAH, SOUP, SPREAD, STEW AND THERMIDOR)	8,113	283,031	MAINE (2), MASSACHUSETTS (1), NEW YORK (2) PENNSYLVANIA (1), LOUISIANA (1)
SHRIMP SPECIALTIES (ASPIC, BISQUE, CAKES, COCKTAIL, CREOLE, CURRY, GUMBO, NEWBURG, PASTE, SMOKED AND SOUP)	8,540	205,155	NEW YORK (2), PENNSYLVANIA (1), MARYLAND (2), SOUTH CAROLINA (1), FLORIDA (1), LOUISIANA (4), WASHINGTON (1), OREGON (2)
CLAM BISQUE, CAKES, AND WHOLE IN THE SHELL	3,685	26,796	MAINE (1), MARYLAND (1), WASHINGTON (2)
OYSTER SPECIALTIES:			
SMOKED	2,049	190,843	WASHINGTON (5), OREGON (1)
STEW	71,018	856,247	WASHINGTON (5), OREGON (1)
BISQUE, COCKTAIL AND SOUP	418	9,622	MARYLAND (1), LOUISIANA (1), WASHINGTON (1), OREGON (1)
SQUID	163,518	702,766	CALIFORNIA (17)
TERRAPIN AND TURTLE:			
MEAT	1,303	45,252	NEW YORK (1), GEORGIA (1), FLORIDA (1)
SOUP, STEW AND CHILE	17,620	209,928	NEW YORK (1), PENNSYLVANIA (1), OHIO (1), GEORGIA (1) FLORIDA (1), LOUISIANA (3)
MISCELLANEOUS SHELLFISH AND SPECIALTIES (CRAYFISH BISQUE, CONCHS, MUSSELS, SCALLOPS, FROG LEGS NEWBURG, BOUILLABAISSE, CREOLE GUMBO AND SEAFOOD NEWBURG)	4,329	96,691	MAINE (1), NEW YORK(1), NEW JERSEY (1), LOUISIANA (2)
TOTAL	661,626	7,168,343	

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZED CASES CONVERTED TO THE EQUIVALENT OF FORTY-EIGHT CANS, EACH CONTAINING 16 OUNCES NET WEIGHT.

PACK OF CANNED CLAMS AND CLAM PRODUCTS, 1953

SPECIES, STATE AND NUMBER OF PLANTS	STANDARD CASES					
	WHOLE AND MINCED		CHOWDER AND JUICE		TOTAL	
	CASES	VALUE	CASES	VALUE	CASES	VALUE
SOFT CLAMS:						
MAINE (5) 1/	20,002	$345,595	287,825	$1,804,888	307,827	$2,150,483
RAZOR CLAMS:						
WASHINGTON (4), OREGON (2)	6,759	135,497	-	-	6,759	135,497
ALASKA (8)	31,391	607,059	-	-	31,391	607,059
TOTAL RAZOR CLAMS (14)	38,150	742,556	-	-	38,150	742,556
HARD CLAMS: 2/						
RHODE ISLAND (1), NEW YORK (4), NEW JERSEY (2), PENNSYLVANIA (2), DELAWARE (1), MARYLAND (1)	228,711	2,494,795	1,037,447	6,910,198	1,266,158	9,404,993
WASHINGTON (4), CALIFORNIA (1)	27,008	307,507	6,061	21,968	33,069	329,475
ALASKA (1)	131	2,296	-	-	131	2,296
TOTAL HARD CLAMS (17)	255,850	2,804,598	1,043,508	6,932,166	1,299,358	9,736,764
GRAND TOTAL (35)	314,002	3,892,749	1,331,333	8,737,054	1,645,335	12,629,803

CAN CONTENTS AND NUMBER OF CANS TO CASE	ACTUAL CASES			
	WHOLE AND MINCED		CHOWDER AND JUICE	
	CASES	VALUE	CASES	VALUE
TIN:				
3-1/2 OUNCES DRAINED WEIGHT (48 CANS)	12,915	$163,113	-	-
4 OUNCES DRAINED WEIGHT (48 CANS)	171,529	1,923,360	-	-
5 OUNCES DRAINED WEIGHT (24 CANS)	96,922	621,120	-	-
8 OUNCES DRAINED WEIGHT (24 CANS)	4,504	40,274	-	-
8 OUNCES NET WEIGHT (48 CANS)	-	-	79,104	$301,819
10 OUNCES DRAINED WEIGHT (24 CANS)	17,792	179,813	-	-
10 OUNCES NET WEIGHT (24 CANS)	-	-	420	802
10-1/2 OUNCES NET WEIGHT (48 CANS)	-	-	621,814	4,444,025
11 OUNCES NET WEIGHT (24 CANS)	-	-	199,129	784,610
15 OUNCES NET WEIGHT (24 CANS)	-	-	403,269	1,934,259
20 OUNCES NET WEIGHT (24 CANS)	-	-	8,255	39,637
51 OUNCES DRAINED WEIGHT (6 CANS)	58,323	695,663	-	-
51 OUNCES NET WEIGHT (12 CANS)	-	-	117,883	986,249
96 OUNCES NET WEIGHT (6 CANS)	-	-	5,085	23,339
OTHER SIZES DRAINED WEIGHT (STANDARD CASES)	20,160	207,600	-	-
OTHER SIZES NET WEIGHT (STANDARD CASES)	-	-	18,940	110,867
TOTAL TIN PACK	382,145	3,830,943	1,453,899	8,625,607
GLASS:				
MISCELLANEOUS SIZES, DRAINED WEIGHT (STANDARD CASES)	3,360	61,806	-	-
MISCELLANEOUS SIZES, NET WEIGHT (STANDARD CASES)	-	-	19,365	111,447
TOTAL GLASS PACK	3,360	61,806	19,365	111,447
GRAND TOTAL	385,505	3,892,749	1,473,264	8,737,054

1/ INCLUDES THE PACK OF SURF CLAMS IN MAINE.
2/ INCLUDES THE PACK OF SURF CLAMS IN NEW YORK, NEW JERSEY AND DELAWARE; PISMO CLAMS IN CALIFORNIA; AND COCKLES IN ALASKA.

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZED CASES CONVERTED TO THE EQUIVALENT OF 48 NO. 1 PICNIC CANS, EACH CAN OF WHOLE OR MINCED CLAMS CONTAINING 5 OUNCES OF MEAT, DRAINED WEIGHT; AND EACH CAN OF CHOWDER, JUICE, BROTH, BOUILLON, OR NECTAR, 10 OUNCES NET CONTENT. THE PACK OF CLAMS CANNED IN THE SHELL IS NOT INCLUDED IN THIS TABLE.

CANNED CLAM PRODUCTION, BY TYPE OF PACK, 1953

PRODUCT AND NUMBER OF PLANTS	STANDARD CASES	POUNDS	VALUE
WHOLE CLAMS (16)	39,503	592,545	$566,344
MINCED CLAMS (20)	274,499	4,117,485	3,326,405
CHOWDER (11)	1,292,850	38,785,500	8,500,597
CLAM JUICE (INCLUDES BOUILLON, CONSOMME AND NECTAR)(9)	38,483	1,154,490	236,457
TOTAL (35)	1,645,335	44,650,020	12,629,803

PACK OF CANNED CRABS, 1953

STATE	SPECIES	STANDARD CASES		CAN AND CASE SIZE	ACTUAL CASES	
		CASES	VALUE		CASES	VALUE
ATLANTIC COAST AND GULF STATES:				5 OUNCES NET (24 CANS) . .	33,935	$442,577
MAINE, NORTH AND SOUTH CAROLINA, AND ALABAMA . .	ROCK AND BLUE	54,714	$1,324,399	6-1/2 OUNCES NET (24 CANS)	48,591	467,988
MISSISSIPPI AND LOUISIANA .	BLUE	15,620	270,011			
TOTAL.		70,334	1,594,410	6-1/2 OUNCES NET (48 CANS)	35,203	897,959
PACIFIC COAST STATES AND ALASKA:						
WASHINGTON.	DUNGENESS	15,482	410,109	13 OUNCES NET (24 CANS). .	2,323	63,409
OREGON AND CALIFORNIA . . .	DUNGENESS	8,044	207,867			
ALASKA:						
	DUNGENESS	14,547	474,785	OTHER SIZES CONVERTED TO STANDARD (6-1/2 OUNCES - 48 CANS)	40,012	1,026,083
	KING	6,479	210,845			
TOTAL.		44,552	1,303,606			
GRAND TOTAL.		114,886	2,898,016	TOTAL	160,064	2,898,016

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZED CASES CONVERTED TO THE EQUIVALENT OF FORTY-EIGHT CANS TO THE CASE, EACH CONTAINING 6-1/2 OUNCES OF CRAB MEAT. CRAB MEAT WAS CANNED IN 2 PLANTS EACH IN ALABAMA AND MISSISSIPPI; 3 PLANTS IN LOUISIANA, 4 IN OREGON, 9 IN WASHINGTON, 15 IN ALASKA, AND 1 PLANT EACH IN MAINE, NORTH CAROLINA, SOUTH CAROLINA, AND OREGON.

PACK OF CANNED SHRIMP, 1953

STATE	METHOD OF PACK	STANDARD CASES		CAN AND CASE SIZE	ACTUAL CASES	
		CASES	VALUE		CASES	VALUE
MISSISSIPPI	WET	204,665	$4,116,067	4-1/2 OUNCES (24 CANS) . . .	309,575	$3,361,691
				4-1/2 OUNCES (48 CANS) . . .	33,635	450,666
LOUISIANA..	WET	737,382	13,273,573	5 OUNCES (24 CANS)	758,007	6,669,440
	DRY	4,990	71,602	5 OUNCES (48 CANS)	438,005	7,721,003
				7 OUNCES (24 CANS)	7,201	134,113
TOTAL.		742,372	13,345,175	38 OUNCES (12 CANS).	7,762	356,135
				OTHER SIZES CONVERTED TO STANDARD CASES	9,737	253,574
SOUTH CAROLINA, GEORGIA AND ALABAMA	WET	69,079	1,485,380			
				TOTAL	1,563,922	18,946,622
GRAND TOTAL.		1,016,116	18,946,622			

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZED CASES CONVERTED TO THE EQUIVALENT OF FORTY-EIGHT CANS TO THE CASE, EACH CAN CONTAINING 5 OUNCES OF SHRIMP MEAT. SHRIMP WERE CANNED IN 16 PLANTS IN MISSISSIPPI, 22 IN LOUISIANA, 3 IN ALABAMA AND 1 PLANT EACH IN SOUTH CAROLINA AND GEORGIA.

PACK OF CANNED OYSTERS, 1953

STATE	STANDARD CASES		CAN AND CASE SIZE	ACTUAL CASES	
	CASES	VALUE		CASES	VALUE
SOUTH CAROLINA AND GEORGIA	53,911	$683,441	4-2/3 OUNCES (24 CANS) . . .	415,437	$2,857,268
ALABAMA.	14,469	209,829	4-2/3 OUNCES (48 CANS) . . .	171,147	2,405,932
MISSISSIPPI.	123,624	1,713,525	6-1/2 OUNCES (24 CANS) . . .	136,492	1,115,086
LOUISIANA.	182,217	2,515,046	6-1/2 OUNCES (48 CANS) . . .	2,127	36,819
WASHINGTON	109,704	1,377,037	OTHER SIZES CONVERTED TO		
OREGON	4,983	60,431	STANDARD CASES	12,024	144,204
TOTAL	488,908	6,559,309	TOTAL	737,227	6,559,309

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZED CASES CONVERTED TO THE EQUIVALENT OF FORTY-EIGHT CANS TO THE CASE, EACH CONTAINING 4-2/3 OUNCES DRAINED WEIGHT OF OYSTER MEATS. OYSTERS WERE CANNED IN 16 PLANTS IN MISSISSIPPI, 12 IN LOUISIANA, 5 IN WASHINGTON, 4 IN SOUTH CAROLINA, 3 PLANTS EACH IN ALABAMA AND OREGON, AND 1 IN GEORGIA.

PLANTS PRODUCING CANNED FISHERY PRODUCTS AND BYPRODUCTS, 1953

STATE AND AREA	CANNED PRODUCTS	BYPRODUCTS	TOTAL PLANTS EXCLUSIVE OF DUPLICATION
NEW ENGLAND:			
MAINE	51	15	63
MASSACHUSETTS	10	11	19
CONNECTICUT	1	2	2
RHODE ISLAND	1	1	2
TOTAL	63	29	86
MIDDLE ATLANTIC:			
NEW YORK	10	6	16
NEW JERSEY	4	19	23
PENNSYLVANIA	3	6	9
DELAWARE	1	2	3
TOTAL	18	33	51
CHESAPEAKE BAY:			
MARYLAND	10	12	22
VIRGINIA	14	13	25
TOTAL	24	25	47
SOUTH ATLANTIC AND GULF:			
NORTH CAROLINA	9	16	22
SOUTH CAROLINA	5	2	6
GEORGIA	2	1	3
FLORIDA	2	5	7
ALABAMA	3	1	4
MISSISSIPPI	18	5	23
LOUISIANA	32	39	68
TEXAS	-	5	5
TOTAL	71	74	138
GREAT LAKES AND MISSISSIPPI RIVER:			
ILLINOIS	1	-	1
IOWA	-	11	11
MINNESOTA	-	3	3
MISSOURI	-	1	1
OHIO	1	-	1
TENNESSEE	1	-	1
WISCONSIN	1	-	1
TOTAL	4	15	19
PACIFIC COAST:			
WASHINGTON	59	13	72
OREGON	19	5	22
CALIFORNIA	50	51	68
TOTAL	128	69	162
ALASKA	116	7	123
PUERTO RICO	1	-	1
HAWAII	2	-	2
GRAND TOTAL	427	252	629

NUMBER OF PLANTS PRODUCING FISHERY BYPRODUCTS, 1953

PRODUCT	ATLANTIC AND GULF COASTS 1/	PACIFIC COAST AND ALASKA	TOTAL
	NUMBER	NUMBER	NUMBER
MEAL AND SCRAP, DRIED:			
ANCHOVY	-	21	21
CRAB:			
BLUE	14	-	14
DUNGENESS	-	5	5
FUR SEAL	-	1	1
GROUNDFISH (INCLUDING OCEAN PERCH)	9	-	9
HERRING	6	10	16
MENHADEN	35	-	35
PILCHARD	-	7	7
SALMON	-	4	4
SHRIMP	38	-	38
TUNA AND MACKEREL	-	28	28
MISCELLANEOUS MEAL AND SCRAP, DRIED	18	13	31
OIL, BODY:			
ANCHOVY	-	17	17
FUR SEAL	-	1	1
HERRING	6	8	14
MENHADEN	36	-	36
PILCHARD	-	9	9
SALMON:			
EDIBLE	-	2	2
INDUSTRIAL	-	5	5
TUNA AND MACKEREL	-	22	22
MISCELLANEOUS BODY OIL	9	9	18
OIL, LIVER AND VISCERA:			
BURBOT	1	-	1
COD	5	-	5
FLOUNDER	1	-	1
HAKE	1	-	1
HALIBUT	1	2	3
POLLOCK	1	-	1
SABLEFISH	-	1	1
SHARK	1	4	5
SWORDFISH	1	1	2
TUNA	2	3	5
WHALE	1	-	1
VISCERA OIL	-	2	2
MISCELLANEOUS LIVER OIL	1	2	3
OYSTER-SHELL PRODUCTS:			
CRUSHED SHELL FOR POULTRY FEED	15	8	23
SHELL LIME:			
BURNED	3	-	3
UNBURNED	15	7	22
MUSSEL-SHELL PRODUCTS (FRESH-WATER):			
BUTTONS	11	-	11
POLISHED SHELLS	1	-	1
CRUSHED SHELL FOR POULTRY FEED	4	-	4
LIME AND DUST	5	-	5
MARINE PEARL-SHELL BUTTONS	21	-	21
AGAR-AGAR	-	1	1
ALGINATES	1	-	1
AMINO ACIDS AND VITAMIN CONCENTRATES	-	1	1
FISH SOLUBLES AND HOMOGENIZED CONDENSED FISH	28	7	35
GLUE	2	-	2
IRISH MOSS EXTRACTIVES	2		2
ISINGLASS	1		1
KELP PRODUCTS	-	2	2
LIQUID FERTILIZER	-	2	2
PEARL ESSENCE	4	-	4
TOTAL EXCLUSIVE OF DUPLICATION	176	76	252

1/ INCLUDES FIRMS IN THE GREAT LAKES AND MISSISSIPPI RIVER STATES WHICH ENGAGED IN THE PRODUCTION OF FRESH-WATER MUSSEL-SHELL PRODUCTS, BURBOT LIVER OIL, AND MISCELLANEOUS FISH MEAL.

NOTE:--LISTS OF CANNERS AND MANUFACTURERS OF FISHERY BYPRODUCTS BY INDIVIDUAL COMMODITIES MAY BE OBTAINED FROM THE FISH AND WILDLIFE SERVICE, WASHINGTON 25, D.C.

PRODUCTION OF MARINE-ANIMAL SCRAP AND MEAL, 1953

PRODUCT	ATLANTIC AND GULF COASTS 1/		PACIFIC COAST (INCLUDING ALASKA)		TOTAL	
	TONS	VALUE	TONS	VALUE	TONS	VALUE
MEAL AND DRIED SCRAP:						
ANCHOVY	-	-	688	$88,488	688	$88,488
CRAB, BLUE	8,436	$502,187	-	-	8,436	502,187
CRAB, DUNGENESS	-	-	290	16,195	290	16,195
FUR SEAL	-	-	353	27,682	353	27,682
GROUNDFISH ("WHITE FISH") INC. OCEAN PERCH	16,350	2,298,538	-	-	16,350	2,298,538
HERRING	3,005	365,547	2,201	351,925	5,206	717,472
MENHADEN	174,752	21,767,205	-	-	174,752	21,767,205
PILCHARD	-	-	144	18,966	144	18,966
SALMON	-	-	1,492	185,342	1,492	185,342
SHRIMP	1,000	80,036	-	-	1,000	80,036
TUNA AND MACKEREL	-	-	20,029	2,622,631	20,029	2,622,631
UNCLASSIFIED	1/3,187	1/389,399	6,924	845,512	10,111	1,234,911
TOTAL	206,730	25,402,912	32,121	4,156,741	238,851	29,559,653

1/ INCLUDES A SMALL PRODUCTION OF MISCELLANEOUS MEAL PRODUCED IN MINNESOTA.

PRODUCTION OF MARINE-ANIMAL OIL , 1953

PRODUCT	ATLANTIC AND GULF COASTS 1/		PACIFIC COAST (INCLUDING ALASKA)		TOTAL	
	GALLONS	VALUE	GALLONS	VALUE	GALLONS	VALUE
BODY OIL:						
ANCHOVY	-	-	81,922	$35,062	81,922	$35,062
FUR SEAL	-	-	46,800	23,292	46,800	23,292
HERRING	191,787	$89,947	526,845	270,586	718,632	360,533
MENHADEN	17,824,477	8,806,317	-	-	17,824,477	8,806,317
PILCHARD	-	-	13,128	6,402	13,128	6,402
SALMON 2/	-	-	217,196	165,506	217,196	165,506
TUNA AND MACKEREL	-	-	659,176	314,586	659,176	314,586
MISCELLANEOUS	3/347,638	3/253,281	4/180,818	4/80,300	528,456	333,581
TOTAL	18,363,902	9,149,545	1,725,885	895,734	20,089,787	10,045,279
LIVER AND VISCERA OIL:						
COD	113,710	102,004	-	-	113,710	102,004
SHARK	(5)	(5)	5/26,508	5/402,423	26,508	402,423
TUNA	(5)	(5)	5/2,971	5/57,514	2,971	57,514
MISCELLANEOUS	6/1,748	6/189,638	7/59,394	7/685,048	61,142	874,686
TOTAL	115,458	291,642	88,873	1,144,985	204,331	1,436,627
GRAND TOTAL	18,479,360	9,441,187	1,814,758	2,040,719	20,294,118	11,481,906

1/ INCLUDES THE PRODUCTION OF BURBOT LIVER OIL IN MINNESOTA.
2/ INCLUDES THE PRODUCTION OF EDIBLE AND INDUSTRIAL SALMON OIL.
3/ INCLUDES THE PRODUCTION OF OCEAN PERCH AND UNCLASSIFIED BODY OILS.
4/ INCLUDES THE PRODUCTION OF UNCLASSIFIED BODY OILS.
5/ EAST AND WEST COAST PRODUCTION COMBINED.
6/ INCLUDES THE PRODUCTION OF BURBOT, FLOUNDER, HAKE, HALIBUT, POLLOCK, SWORDFISH, WHALE AND MIXED LIVER OILS.
7/ INCLUDES THE PRODUCTION OF HALIBUT, SABLEFISH, SWORDFISH, AND MIXED LIVER AND VISCERA OILS.

PRODUCTION OF FISH SOLUBLES AND HOMOGENIZED CONDENSED FISH, 1953

PRODUCT AND STATE	POUNDS	VALUE
FISH SOLUBLES AND HOMOGENIZED-CONDENSED FISH:		
MAINE	1,131,250	$44,998
MASSACHUSETTS AND RHODE ISLAND	49,270,130	2,013,546
NEW YORK, NEW JERSEY, AND DELAWARE	44,225,206	1,854,329
VIRGINIA	13,188,936	725,410
NORTH CAROLINA AND FLORIDA	6,007,396	330,744
MISSISSIPPI	3,012,900	120,391
LOUISIANA AND TEXAS	4,713,825	248,190
CALIFORNIA	41,438,550	2,007,359
TOTAL	162,988,193	7,344,967

FISH UTILIZED AND PRODUCTS OF THE MENHADEN FISHERY, 1953

STATE AND NUMBER OF PLANTS	MENHADEN UTILIZED		DRY SCRAP AND MEAL		OIL		TOTAL
	POUNDS	NO. OF FISH	TONS	VALUE	GALLONS	VALUE	VALUE
MASSACHUSETTS (3), RHODE ISLAND (1)	37,422,180	55,854,000	2,417	$320,837	482,065	$233,061	$553,898
NEW YORK (1), NEW JERSEY (3), DELAWARE (2)	850,999,830	1,270,149,000	90,480	11,061,547	7,985,857	4,122,314	15,183,861
VIRGINIA (5)	162,954,050	243,215,000	17,439	2,271,000	1,177,922	552,800	2,823,800
NORTH CAROLINA (7), SOUTH CAROLINA (1)	133,800,340	199,702,000	13,936	1,792,842	1,180,947	548,922	2,341,764
FLORIDA (3), TEXAS (2)	135,793,590	202,677,000	14,607	1,877,909	1,403,975	667,167	2,545,076
MISSISSIPPI (4)	54,944,020	82,006,000	5,084	646,838	653,403	312,336	959,174
LOUISIANA (4)	307,492,480	458,944,000	30,789	3,796,232	4,940,308	2,369,717	6,165,949
TOTAL (36)	1,683,406,490	2,512,547,000	174,752	21,767,205	17,824,477	8,806,317	30,573,522

NOTE:--IN ADDITION TO THE ABOVE MENHADEN PRODUCTION THERE WAS 78,076,523 POUNDS OF MENHADEN FISH SOLUBLES VALUED AT $3,592,551.

PRODUCTION OF OYSTER-SHELL PRODUCTS, 1953

STATE AND NUMBER OF PLANTS	CRUSHED SHELL FOR POULTRY FEED		SHELL LIME UNBURNED		SHELL LIME BURNED		TOTAL	
	TONS	VALUE	TONS	VALUE	TONS	VALUE	TONS	VALUE
NEW JERSEY (3), VIRGINIA (3)	3,127	$63,928	757	$4,755	8,608	$137,665	12,492	$206,348
PENNSYLVANIA (4), ALABAMA (1)	48,513	487,900	35,486	113,281	-	-	83,999	601,181
MARYLAND (2), NORTH CAROLINA (2), FLORIDA (1)	64,525	826,672	17,361	101,369	-	-	81,886	928,041
LOUISIANA (1), TEXAS (2)	233,134	1,648,582	26,167	96,087	-	-	259,301	1,744,669
WASHINGTON (4)	3,059	57,158	1,212	7,751	-	-	4,271	64,909
OREGON (1), CALIFORNIA (3)	20,395	250,041	4,388	35,087	-	-	24,783	285,128
TOTAL (27)	372,753	3,334,281	85,371	358,330	8,608	137,665	466,732	3,830,276

PRODUCTION OF FRESH-WATER MUSSEL-SHELL PRODUCTS, 1953

STATE	BUTTONS		LIME, POULTRY GRIT AND POLISHED SHELL		TOTAL
	GROSS	VALUE	TONS	VALUE	VALUE
IOWA, PENNSYLVANIA AND MISSOURI	4,979,442	$5,331,458	1/ 1,965	1/ $26,391	$5,357,849

1/ THE LIME, POULTRY GRIT AND POLISHED SHELL WAS PRODUCED IN IOWA.

NOTE:--MUSSEL SHELL PRODUCTS WERE MANUFACTURED IN 11 PLANTS IN IOWA AND 1 PLANT EACH IN PENNSYLVANIA AND MISSOURI. MUSSEL SHELLS PURCHASED DURING THE YEAR AMOUNTED TO 10,143 TONS, VALUED AT $462,679 TO THE FISHERMEN. SHELLS WERE TAKEN IN 9 STATES IN THE MISSISSIPPI RIVER AND GREAT LAKES REGIONS. THE PRODUCING STATES IN THE ORDER OF THEIR IMPORTANCE WERE: TENNESSEE, WHICH CONTRIBUTED 45 PERCENT OF THE TOTAL QUANTITY; KENTUCKY, 20 PERCENT; ALABAMA, 13 PERCENT; ARKANSAS, 10 PERCENT, IOWA, 4 PERCENT, INDIANA, 3 PERCENT; MISSISSIPPI AND ILLINOIS, 2 PERCENT EACH AND WISCONSIN, 1 PERCENT.

PRODUCTION OF MARINE PEARL-SHELL BUTTONS, 1953

STATE	GROSS	VALUE
NEW YORK	1,043,341	$1,840,418
NEW JERSEY	1,017,599	1,957,554
CONNECTICUT, PENNSYLVANIA AND MARYLAND	2,507,519	3,536,436
IOWA	43,694	69,486
TOTAL	4,612,153	7,403,894

1/ PRODUCED PRINCIPALLY FROM IMPORTED SHELLS.

NOTE:--MARINE PEARL-SHELL BUTTONS WERE MANUFACTURED IN 3 PLANTS EACH IN NEW YORK AND IOWA; 11 IN NEW JERSEY; 2 IN PENNSYLVANIA AND 1 EACH IN CONNECTICUT AND MARYLAND.

PRODUCTION OF MISCELLANEOUS BYPRODUCTS, 1953

PRODUCT	STATE AND NUMBER OF PLANTS	VALUE
AGAR-AGAR	CALIFORNIA (1)	
ALGINATES	MAINE (1)	
AMINO ACID SOLUTIONS AND VITAMINS A AND D	CALIFORNIA (1)	
GLUE	MASSACHUSETTS (2)	
IRISH MOSS EXTRACTS	MAINE (1), MASSACHUSETTS (1)	$9,393,451
ISINGLASS	MASSACHUSETTS (1)	
KELP PRODUCTS	CALIFORNIA (2)	
LIQUID FERTILIZER	WASHINGTON (1), OREGON (1)	
PEARL ESSENCE	MAINE (3), VIRGINIA (1)	

Year	Salmon						Sardines			
	Pacific Coast States		Alaska		Total Salmon		Maine		Pacific	
	Cases	Value	Cases	Value	Cases	Value	Cases	Value	Cases	Value
1921-1930 average	1,147,835	$11,916,541	4,860,058	$33,893,502	6,007,893	$45,810,043	1,677,265	$6,031,760	1,953,474	$6,961,598
1931-1935 average	934,706	7,301,890	5,699,775	28,513,777	6,684,481	35,815,667	1,042,116	2,974,505	1,719,387	4,519,462
1936	527,574	5,309,438	8,437,603	44,751,633	8,965,177	50,061,071	1,845,860	5,740,454	2,616,530	7,302,273
1937	885,372	8,386,165	6,669,665	44,547,769	7,555,037	52,933,934	1,680,241	4,998,373	2,812,456	8,592,117
1938	472,721	5,728,892	6,806,998	36,636,897	7,279,719	42,365,789	671,635	2,367,045	2,261,678	7,102,358
1939	728,943	7,339,727	5,263,161	34,441,122	5,992,104	41,780,849	2,210,466	7,075,096	3,108,082	9,553,663
1940	535,663	6,575,176	5,069,343	31,474,492	5,605,006	38,049,668	1,117,748	3,736,394	2,945,882	8,975,257
1941	899,589	11,199,317	6,932,040	56,217,601	7,831,629	67,416,918	3,164,787	12,590,958	5,007,154	18,091,873
1942	759,032	13,673,968	5,075,974	48,300,209	5,835,006	61,974,177	2,873,246	12,162,451	3,744,624	15,509,964
1943	275,889	5,110,847	5,428,318	57,824,267	5,704,207	62,935,114	2,505,114	11,104,570	3,354,697	14,352,359
1944	245,588	5,187,136	4,893,059	51,196,140	5,138,647	56,383,276	3,261,984	14,819,803	3,650,919	15,225,919
1945	557,769	7,942,102	4,350,471	44,644,303	4,908,240	52,586,405	2,725,216	12,077,201	3,765,981	15,346,472
1946	560,289	17,003,459	3,949,878	53,157,194	4,510,167	70,160,653	3,276,338	20,275,590	2,977,170	19,895,649
1947	1,329,226	31,969,134	4,312,172	88,666,301	5,641,398	120,635,435	3,013,910	28,310,674	1,652,592	16,538,375
1948	810,075	24,008,466	4,014,891	96,528,730	4,824,966	120,537,196	3,682,392	29,359,114	2,654,149	21,892,893
1949	1,133,325	22,167,812	4,391,601	81,263,171	5,524,926	103,430,983	3,074,523	21,051,675	3,768,212	21,334,825
1950	1,001,819	27,187,060	3,307,985	82,354,118	4,309,804	109,541,178	3,844,164	21,209,033	5,070,805	26,345,609
1951	1,161,274	29,388,514	3,484,299	79,237,355	4,645,573	108,625,869	1,676,764	14,635,352	2,864,984	19,362,744
1952	890,156	21,906,773	3,574,191	76,357,016	4,464,347	98,263,789	3,530,876	21,502,970	106,746	918,072
1953	1,049,547	24,067,839	2,862,312	58,172,629	3,911,859	82,240,468	2,782,495	16,954,119	63,612	653,131

Year	Tuna and Tunalike Fishes						Mackerel		Alewives		Fish Roe, Caviar, and Eggs for Bait	
	Tuna		Tunalike Fishes		Total Tuna and Tunalike Fishes							
	Cases	Value	Cases	Value	Cases	Value	Cases	Value	Cases	Value	Cases	Value
1921-1930 average	1,017,364	$7,135,011	45,874	$236,069	1,063,238	$7,371,080	1/229,293	1/$979,927	24,066	$77,558	2/68,740	2/$820,057
1931-1935 average	1,618,327	8,440,215	50,484	205,818	1,668,811	8,646,033	806,664	2,117,791	20,095	48,402	48,284	814,969
1936	2,415,549	13,558,819	265,185	1,156,572	2,680,734	14,715,391	1,236,850	3,542,895	24,140	58,527	59,040	1,028,293
1937	2,929,352	17,914,589	215,149	1,081,190	3,144,501	18,995,779	840,832	2,673,608	54,993	139,585	69,974	996,169
1938	2,512,345	14,143,133	241,798	1,040,503	2,754,143	15,183,636	965,629	2,896,220	52,886	143,558	61,337	786,441
1939	3,417,035	19,147,235	225,916	932,332	3,642,951	20,079,567	889,389	2,588,695	22,882	74,804	64,448	957,875
1940	3,994,470	22,926,463	193,990	801,097	4,188,460	23,727,560	1,421,894	4,101,369	24,486	72,070	61,852	891,814
1941	2,556,922	17,605,146	374,659	1,792,741	2,931,581	19,397,887	935,001	3,503,718	42,156	153,269	76,740	815,514
1942	2,404,908	30,008,885	79,841	733,608	2,484,749	30,742,493	721,189	3,693,082	77,232	399,555	53,190	910,890
1943	2,579,815	30,541,893	116,258	888,296	2,696,073	31,430,189	937,251	5,271,203	112,472	619,213	59,884	1,044,582
1944	3,530,877	40,615,221	29,143	220,896	3,560,020	40,836,117	1,225,060	7,033,997	135,995	793,254	55,677	824,197
1945	4,442,101	46,713,477	89,464	693,974	4,531,565	47,407,451	692,748	4,046,691	131,062	753,769	36,795	948,042
1946	4,596,629	57,342,706	187,855	1,793,117	4,784,484	59,135,823	962,150	7,575,291	193,980	1,180,197	58,192	1,905,638
1947	5,447,554	85,093,328	446,941	5,515,847	5,894,495	90,609,175	1,754,950	15,018,633	139,816	779,150	52,432	1,641,228
1948	6,663,619	107,980,968	374,139	4,631,328	7,037,758	112,612,296	1,281,192	9,850,834	123,134	639,356	50,629	1,473,320
1949	7,130,453	96,039,797	159,867	1,670,528	7,290,320	97,710,325	1,049,927	6,848,930	111,994	469,398	86,459	1,969,998
1950	8,944,598	112,136,363	71,943	693,731	9,016,541	112,830,094	1,457,048	7,491,816	69,568	316,993	71,557	1,908,559
1951	8,131,274	98,102,229	105,451	943,977	8,236,725	99,046,206	1,048,518	6,259,224	127,760	604,314	76,095	1,926,140
1952	8,893,889	111,075,890	227,000	1,958,620	9,120,889	113,034,510	1,525,353	11,362,697	79,861	374,680	64,080	1,681,010
1953	9,407,059	124,744,195	172,967	1,513,413	9,580,026	126,257,608	596,321	5,038,512	111,391	507,925	65,742	1,812,844

Year	Clam Products		Crabs		Oysters		Shrimp		Other fish and shellfish	Total
	Cases	Value	Cases	Value	Cases	Value	Cases	Value	Value	Value
1921-1930 average	2/542,612	$2,119,298	1/2,870	$53,908	520,205	$2,524,660	910,491	$4,475,680	1/$2,162,290	$77,965,913
1931-1935 average	521,573	2,242,896	13,548	109,235	417,985	1,392,686	1,143,677	3,836,331	1,785,685	64,303,662
1936	754,334	2,976,297	14,600	130,753	566,470	2,180,869	1,024,392	4,672,198	2,155,233	94,564,254
1937	773,448	3,013,446	27,394	269,699	759,589	2,932,681	1,434,894	7,130,747	2,498,797	105,174,935
1938	769,665	3,189,628	27,398	260,134	516,901	1,886,476	1,207,553	4,872,393	2,392,211	83,445,889
1939	935,147	3,798,319	32,828	259,756	648,569	2,378,945	1,376,758	5,397,662	2,682,319	96,627,550
1940	927,628	3,778,363	38,740	308,890	690,585	2,526,859	1,116,249	4,318,325	3,695,372	94,181,941
1941	927,343	3,711,029	60,198	547,617	657,045	2,997,114	884,874	4,882,544	4,575,716	138,684,157
1942	782,602	3,791,058	114,548	1,755,065	523,262	3,598,703	963,352	7,347,330	3,112,179	144,996,947
1943	464,794	2,802,420	75,308	1,194,483	345,868	2,821,556	660,436	5,360,647	2,252,456	141,188,792
1944	547,696	3,820,612	86,942	1,361,458	273,556	2,283,429	561,649	4,854,799	4,677,376	152,914,237
1945	900,032	7,391,098	55,514	883,767	225,964	2,029,953	214,971	1,918,633	7,411,089	152,800,571
1946	1,527,789	11,145,047	199,078	4,720,119	390,835	5,249,272	522,130	8,428,735	17,957,441	227,629,455
1947	1,257,650	8,642,235	139,818	2,705,391	410,487	4,259,485	472,366	8,192,004	13,347,135	310,678,920
1948	1,179,774	8,329,639	220,802	4,846,494	357,080	4,777,531	558,870	7,791,313	14,071,493	336,181,479
1949	1,186,060	8,779,018	161,829	3,490,885	452,918	6,525,207	664,721	11,203,325	12,689,336	295,503,905
1950	1,518,950	10,839,889	137,203	3,121,269	492,390	7,096,235	786,251	12,773,346	17,861,326	331,335,347
1951	1,501,608	11,773,909	149,945	3,586,558	466,334	5,931,276	871,171	12,187,049	17,271,654	301,210,295
1952	1,698,991	12,209,558	86,058	2,087,019	529,143	7,047,441	817,910	12,998,814	24,348,638	305,829,198
1953	1,645,335	12,629,803	114,886	2,898,016	488,908	6,559,309	1,016,116	18,946,622	32,375,317	306,873,674

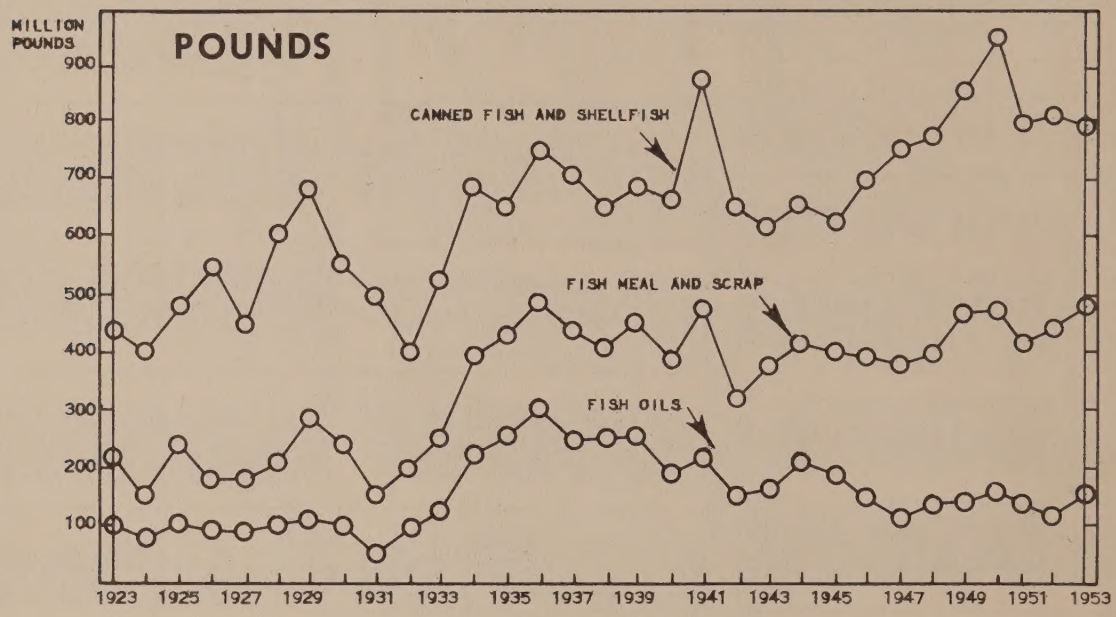
1/ Represents 5-year average, 1926 - 1930. 2/ Represents 4-year average, 1927 - 1930 inclusive.
Note:—The cases listed above for all years are the same as used in the individual pack tables in this bulletin.

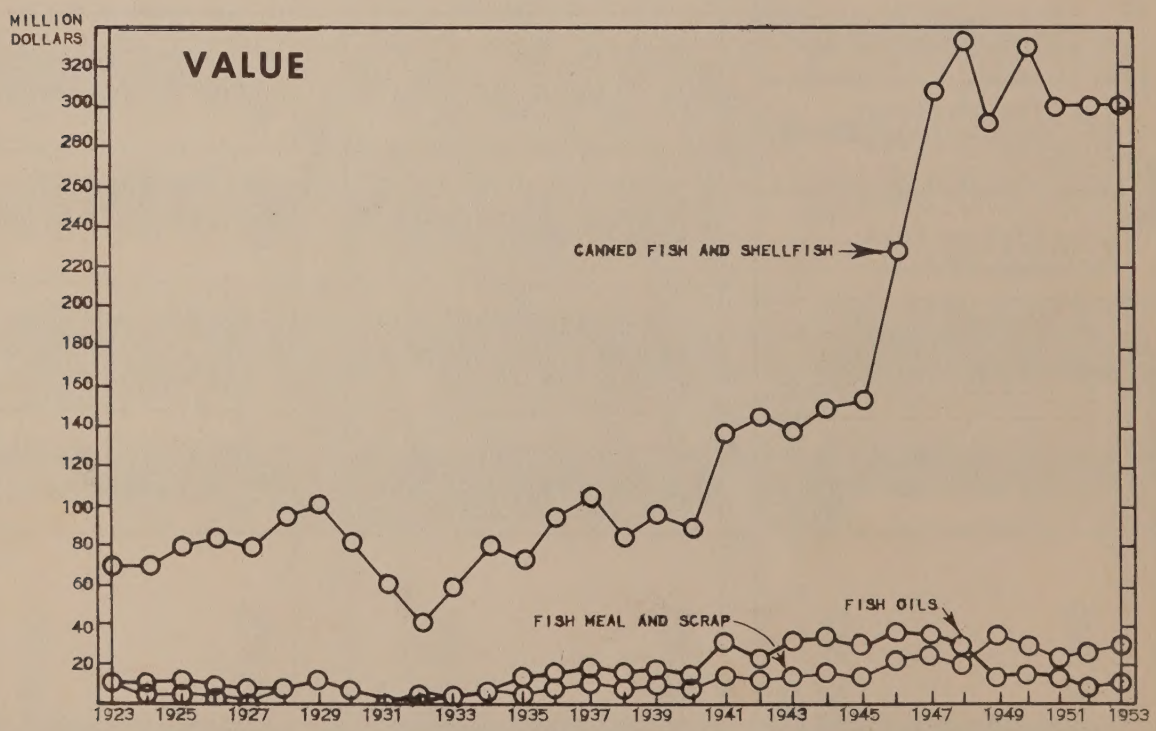
Year	Menhaden Dried Scrap and Meal		Menhaden Acidulated Scrap		Herring Meal		Pilchard Meal		Tuna and Mackerel Meal		Other Meal, Dried and Green Scrap	
	Tons	Value	Tons	Value	Tons	Value	Tons	Value	Tons	Value	Tons	Value
1921-1930 average	34,109	$1,587,175	28,374	$678,844	(1)	(1)	2/22,726	2/$1,241,001	2/3,047	2/$151,334	34,163	$1,638,101
1931-1935 average	31,488	935,645	15,407	257,799	12,634	$363,085	55,494	1,648,972	3/8,550	3/226,263	23,421	827,215
1936	42,411	1,411,710	23,482	359,615	16,780	593,357	121,739	3,968,305	11,847	359,409	27,519	1,004,002
1937	35,801	1,581,219	31,600	618,104	20,460	680,382	89,422	3,325,282	13,066	456,358	29,593	904,190
1938	39,274	1,576,620	21,814	418,936	17,747	592,588	89,927	3,437,892	11,224	409,211	25,230	982,916
1939	52,950	2,224,920	15,853	265,850	18,222	763,419	96,947	4,103,638	12,084	464,578	30,046	1,271,192
1940	56,249	2,423,229	15,520	271,533	9,216	380,134	69,975	3,007,705	14,955	610,007	27,329	1,141,213
1941	75,316	4,008,355	11,029	242,792	12,520	847,116	97,979	5,942,272	8,693	484,886	31,307	1,570,152
1942	50,504	3,362,279	2,594	80,520	5,591	386,059	71,828	5,310,037	7,144	465,481	33,419	2,021,383
1943	66,357	4,766,672	1,555	58,821	9,170	690,230	75,611	5,775,932	7,766	505,199	29,944	1,832,248
1944	69,170	4,913,224	2,922	111,104	14,212	1,044,861	86,196	6,582,600	9,648	644,458	30,999	1,946,775
1945	77,451	5,483,377	1,557	62,200	14,344	1,120,042	60,860	4,643,694	10,273	705,976	36,190	2,390,049
1946	94,622	8,605,118	2,022	78,475	19,505	2,248,742	36,899	5,233,075	13,584	1,743,189	32,989	2,530,624
1947	98,602	10,883,852	632	26,863	18,453	2,649,474	16,715	2,556,038	19,761	2,998,321	32,276	3,265,803
1948	4/104,058	11,560,914	(4)	(4)	17,686	2,065,042	19,076	2,614,616	21,305	2,757,778	37,419	4,090,384
1949	4/113,393	17,813,339	(4)	(4)	5,298	973,445	39,278	6,219,717	19,139	3,073,742	60,072	7,571,899
1950	4/103,365	12,864,751	(4)	(4)	17,797	2,138,776	43,009	5,269,696	25,377	3,268,594	50,406	5,711,918
1951	4/115,464	13,879,523	(4)	(4)	9,631	1,370,083	17,225	2,266,968	23,147	3,021,720	44,289	4,835,603
1952	4/144,025	17,847,361	(4)	(4)	9,864	1,314,361	390	51,741	21,951	2,892,874	45,173	5,055,317
1953	174,752	21,767,205	-	-	5,206	717,472	144	18,966	20,029	2,622,631	38,720	4,433,379

Year	Menhaden Oil		Herring Oil		Pilchard Oil		Tuna and Mackerel Oil		Whale and Sperm Oil	
	Gallons	Value	Gallons	Value	Gallons	Value	Gallons	Value	Gallons	Value
1921-1930 average	4,863,899	$1,969,152	2,063,436	$797,716	2,770,878	$1,156,437	2/45,354	2/$13,933	1,403,568	$678,544
1931-1935 average	3,200,351	582,152	3,116,230	562,980	12,458,879	2,835,610	3/182,452	3/38,512	775,424	178,453
1936	4,880,879	1,249,708	3,796,586	954,706	26,131,439	8,336,079	357,914	98,221	4,154,966	1,707,561
1937	3,895,613	1,456,333	5,623,045	2,114,548	15,993,216	6,203,616	222,774	61,514	9,226,289	4,170,001
1938	4,189,129	1,173,667	4,579,565	1,298,837	17,539,567	5,205,337	278,879	81,532	7,741,000	3,184,058
1939	6,005,414	1,624,024	4,847,512	1,157,418	19,996,422	6,078,317	310,661	92,906	3,550,230	1,132,871
1940	5,774,671	1,304,720	2,241,169	606,722	12,626,849	3,761,160	447,326	123,801	2,561,518	952,164
1941	6,034,050	2,829,441	3,041,315	1,563,545	18,125,147	9,879,290	250,517	100,048	34,058	15,907
1942	5,128,760	3,200,129	985,403	646,565	12,508,958	8,067,750	214,932	112,042	47,247	31,733
1943	5,734,668	3,892,142	1,727,441	1,129,446	13,947,295	9,301,593	219,044	131,906	37,964	30,406
1944	6,067,111	3,725,498	2,389,287	1,603,078	18,098,982	11,722,950	317,236	177,774	7,185	5,135
1945	8,335,094	5,656,550	2,663,546	1,786,040	11,852,994	7,926,147	304,143	173,452	-	-
1946	9,758,648	9,033,032	3,532,454	4,292,776	4,866,567	6,843,376	359,437	395,475	-	-
1947	8,473,371	11,425,497	3,875,025	4,144,643	2,103,965	2,677,453	748,017	958,998	66,374	70,007
1948	8,763,939	10,132,179	3,643,537	4,004,250	2,328,572	2,457,858	660,515	622,110	120,089	130,217
1949	8,293,911	3,407,510	723,350	394,297	6,123,140	2,872,532	597,935	265,736	74,950	52,475
1950	10,209,958	5,866,554	3,309,457	2,366,005	6,188,607	4,693,550	884,434	553,231	-	-
1951	12,537,115	9,771,154	1,512,814	1,205,384	1,942,586	1,545,937	712,620	525,552	68,500	50,200
1952	12,886,646	5,785,395	1,081,963	517,538	20,881	10,815	744,827	367,585	-	-
1953	17,824,477	8,806,317	718,632	360,533	13,128	6,402	659,176	314,586	-	-

Year	Liver Oils		Other Marine Animal Oils		Oyster and Marine Clam-shell Products		Fresh-water Mussel-shell Products	Marine Pearl-shell Products	Other Byproducts	Grand total
	Gallons	Value	Gallons	Value	Tons	Value	Value	Value	Value	Value
1921-1930 average	(5)	(5)	5/459,292	5/$222,121	308,823	$2,455,768	6/$5,575,967	7/$4,544,147	$1,001,606	8/$17,948,654
1931-1935 average	3/109,419	3/$912,476	295,480	114,243	314,802	1,606,093	4,210,128	3,491,872	1,165,471	19,721,516
1936	351,400	2,896,655	228,634	85,536	383,703	1,578,108	4,710,260	4,265,986	1,389,766	34,968,984
1937	347,921	2,204,097	325,811	145,643	382,718	1,612,847	4,791,205	5,079,895	1,398,811	36,804,045
1938	506,203	2,476,343	305,792	106,241	339,425	1,416,557	2,698,879	4,197,503	1,319,250	30,576,367
1939	677,975	4,471,688	363,899	139,845	386,005	1,539,557	2,492,342	4,827,413	1,388,836	34,038,814
1940	790,621	5,088,153	373,384	188,458	395,088	1,479,847	2,489,438	5,399,720	1,326,254	30,554,258
1941	1,233,242	14,871,588	565,298	334,395	438,407	1,985,253	3,037,350	6,236,714	2,851,970	56,801,074
1942	1,000,912	10,034,907	692,892	486,476	466,037	2,582,261	5,064,271	5,528,421	3,516,548	50,896,862
1943	851,854	14,841,970	597,950	485,391	509,285	2,820,986	3,782,028	4,696,593	4,394,653	59,136,266
1944	998,802	13,237,435	444,372	536,911	582,215	3,134,696	4,428,903	4,134,738	5,348,413	63,298,553
1945	804,288	11,202,207	541,787	491,326	507,096	2,573,717	4,844,647	3,286,245	5,864,937	58,210,606
1946	895,884	13,478,590	618,020	658,883	390,433	2,270,853	6,629,578	5,635,904	6,964,960	76,642,850
1947	832,510	11,643,468	633,630	830,596	501,393	3,263,158	8,166,000	7,902,000	7,130,156	80,592,327
1948	740,137	12,507,652	826,822	1,128,541	345,075	2,474,492	5,447,121	8,587,011	9,285,458	79,865,623
1949	834,357	9,845,455	1,048,190	526,972	362,028	2,662,252	3,767,703	6,782,281	12,243,140	78,472,495
1950	331,257	3,431,090	840,136	562,279	399,375	2,950,053	5,064,495	9,239,018	13,208,356	77,188,366
1951	299,575	2,579,347	1,099,099	946,069	453,319	3,568,745	3,845,661	7,714,846	12,186,235	69,313,027
1952	276,609	2,075,014	1,081,483	635,021	429,348	3,359,024	4,438,545	6,905,104	16,735,936	67,991,631
1953	204,331	1,436,627	874,374	557,441	466,732	3,830,276	5,357,849	7,403,894	16,738,418	74,371,996

PRODUCTION AND VALUE OF CANNED FISH, FISH MEALS AND OILS, 1923-1953





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